

# ABSTRACT OF THE DISCLOSURE

The invention relates to an electrical circuit for voltage transformation, said electrical circuit being  
5 suitable for power factor correction. The invention enables a good power factor correction to be achieved with a high efficiency of between 80 % and 95 % in the MHz frequency region. To this end, few components  
10 suitable for high frequencies (capacitors, inductances, diodes and high frequency switches) are used. Said diodes are, for example, Schottky diodes with SiC as the diode material. The high frequency switch comprises a powerful MOS transistor.